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#5/A 2651  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : James E. Angelo et al.

Appln. No.: 09/469,597

Filed : December 22, 1999

For : HEAD VIBRATION DETECTION  
DEVICE

Docket No.: S01.12-0543

Group Art Unit: 2651

Examiner: Son H.  
Nguyen

### AMENDMENT

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

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I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
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WASHINGTON, D.C. 20231, THIS

7 DAY OF March 2002  
Rudolf Kvale  
PATENT ATTORNEY

Sir:

This Amendment is in response to the Office Action  
mailed on December 7, 2001. Please amend the above-identified  
application as follows:

#### IN THE SPECIFICATION

Please amend the paragraph beginning on Page 1, line 25  
and ending on Page 2, line 7 as follows:

a1  
Surfaces of the discs include asperities and other defects  
due to variations in the manufacturing process or created during  
shipping and handling or operation and use of the disc drive.  
During read write operations a head may contact asperities on the  
disc surface interfering with read/write operations. Contact  
between the head and disc surface can damage the disc surface and  
result in permanent data loss for a write command. Prior disc  
drives incorporate acoustic emission sensors attached to an E-  
block arm to determine head-disc contact. A sensor attached to  
an E-block arm sense head -disc contact for some head on the E-  
block however its difficult to distinguish which head-disc  
interface is contacting. The present invention addresses these  
and other problems, and offers other advantages over prior art.